

Title (en)

NON-UNIFORM OPTIMAL SURVEY DESIGN PRINCIPLES

Title (de)

UNGLEICHFÖRMIGE PRINZIPIEN FÜR OPTIMALE UMFRAGEGESTALTUNG

Title (fr)

PRINCIPES DE CONCEPTION DE SURVEILLANCE OPTIMALE NON UNIFORME

Publication

EP 3625593 A1 20200325 (EN)

Application

EP 17909980 A 20170706

Priority

- US 201762506859 P 20170516
- US 201715641916 A 20170705
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Abstract (en)

[origin: US2018335536A1] Method for acquiring seismic data is described. The method includes determining a non-uniform optimal sampling design that includes a compressive sensing sampling grid. Placing a plurality of source lines or receiver lines at a non-uniform optimal line interval. Placing a plurality of receivers or nodes at a non-uniform optimal receiver interval. Towing a plurality of streamers attached to a vessel, wherein the plurality of streamers is spaced apart at non-uniform optimal intervals based on the compressive sensing sampling grid. Firing a plurality of shots from one or more seismic sources at non-uniform optimal shot intervals. Acquiring seismic data via the plurality of receivers or nodes.

IPC 8 full level

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BA ME

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US 10809402 B2 20201020; **US 2018335536 A1 20181122**; AU 2017414765 A1 20200116; AU 2017414765 B2 20240215; AU 2024201838 A1 20240411; CA 3063841 A1 20181122; EP 3625593 A1 20200325; EP 3625593 A4 20200527; EP 3625593 B1 20240124; EP 4328629 A2 20240228; EP 4328629 A3 20240501; US 11409014 B2 20220809; US 11835672 B2 20231205; US 2021033741 A1 20210204; US 2022326405 A1 20221013; WO 2018212780 A1 20181122

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